BERGOLIN EP-LACKFARBE 6E755-R

Series 6E755-R · Solvent-borne 2K EP lacquer (single-coat) for corrosion protection in automotive manufacturing

01 PRODUCT DESCRIPTION

Bergolin EP-Lackfarbe 6E755-R is a high-quality, solvent-borne two-component epoxy lacquer that can be applied as a single-coat system and provides good application properties and adhesion. The coating offers excellent corrosion protection for metal surfaces against rust and environmental influences as well as good chemical resistance for a long service life. Thanks to its robust protective properties it is preferred for the chassis and suspension area of vehicles, where reliable protection against corrosion and mechanical stress is essential.

02 PRODUCT PROPERTIES

Binder system	Epoxy resin
Hardener system	Bergolin EP Hardener 7E755
Adjustment thinner	EP Thinner 5E403
Cleaning thinner	EP Thinner 5E403
Characteristics	Corrosion protection · Chemically resistant · Single-coat
Color shade	Black (RAL 9005)
Gloss	Approx. 30–60 GU (85°) · DIN EN ISO 2813
Shelf life	Approx. 12 months in the unopened original container at +4 °C to +40 °C.

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C *1	Approx. 1.30–1.50 g/cm³	Approx. 0.90–0.95 g/cm³	Approx. 1.17 g/cm³
VOC content · IE Directive 2010/75/EU *1	Approx. 503.4 g/l	Approx. 717.6 g/l	Approx. 607 g/l
Solid content (wt.-%) · SDS *1	Approx. 64.8 %	Approx. 22.0 %	Approx. 48.8 %
Flow viscosity · DIN EN ISO 2431 · +20 °C	Approx. 25–35 s (4 mm)	Approx. 15–18 s (4 mm)	Approx. 15–22 s (4 mm)

*1 *Depending on color shade*

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03 APPLICATION

The following information may vary depending on the application. Please contact your direct contact person for more detailed information.

Substrate	Steel sheet, clean, free from rust and grease
Surface preparation	For series production, iron or zinc phosphating is required.
Mixing ratio	100 : 60 by weight | 1 : 1 by volume
Mixing	Stir both components separately and homogenise if necessary. Pour component B into the container of component A and mix with an electric stirrer for at least 3 min at max. 700 rpm. Transfer into a clean container and mix again thoroughly for approx. 1 min. Alternatively, application with a suitable 2K (3K) dosing unit; before starting, the unit should be volumetrically calibrated (litre check) and any deviations in the mixing ratio corrected.
Theoretical consumption	Approx. 165 g/m² of the mixture at 40 µm dry film thickness
Application method	Electrostatic airless / airmix / electrostatic bell
Application conditions	**Application temperature** +4 °C to +40 °C **Relative humidity** 60–80 %
Pot life[*2]	Approx. 6 h
DRYING	
Oven curing	Approx. 20 min at +80 °C

[*2] *Values are based on laboratory measurements at +20 °C. Lower temperatures slow down drying; higher temperatures accelerate it.*

04 NOTE

This product data sheet supersedes all previously published product data sheets. The information contained herein is based on practical experience under standard conditions and assumes proper storage and processing. Substrates, materials and working conditions may vary. Therefore, no warranty or liability can be derived from the information contained in this document or from verbal consultation. It is the buyer's responsibility to verify the product's suitability for the intended use. Preliminary trials are recommended. The relevant legal regulations, the leaflets of the BG RCI and the accident prevention regulations of the responsible employers' liability insurance association must be observed. In all other respects, our General Terms and Conditions of Sale and Delivery apply.

MODIFIED BY

25.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY

25.08.2026 – Stefan Eisenmenger, Product Management